

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131170.D
 Acq On : 12 Nov 2022 00:20
 Operator : CG\JU
 Sample : N5556-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-7

Quant Time: Nov 12 01:38:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

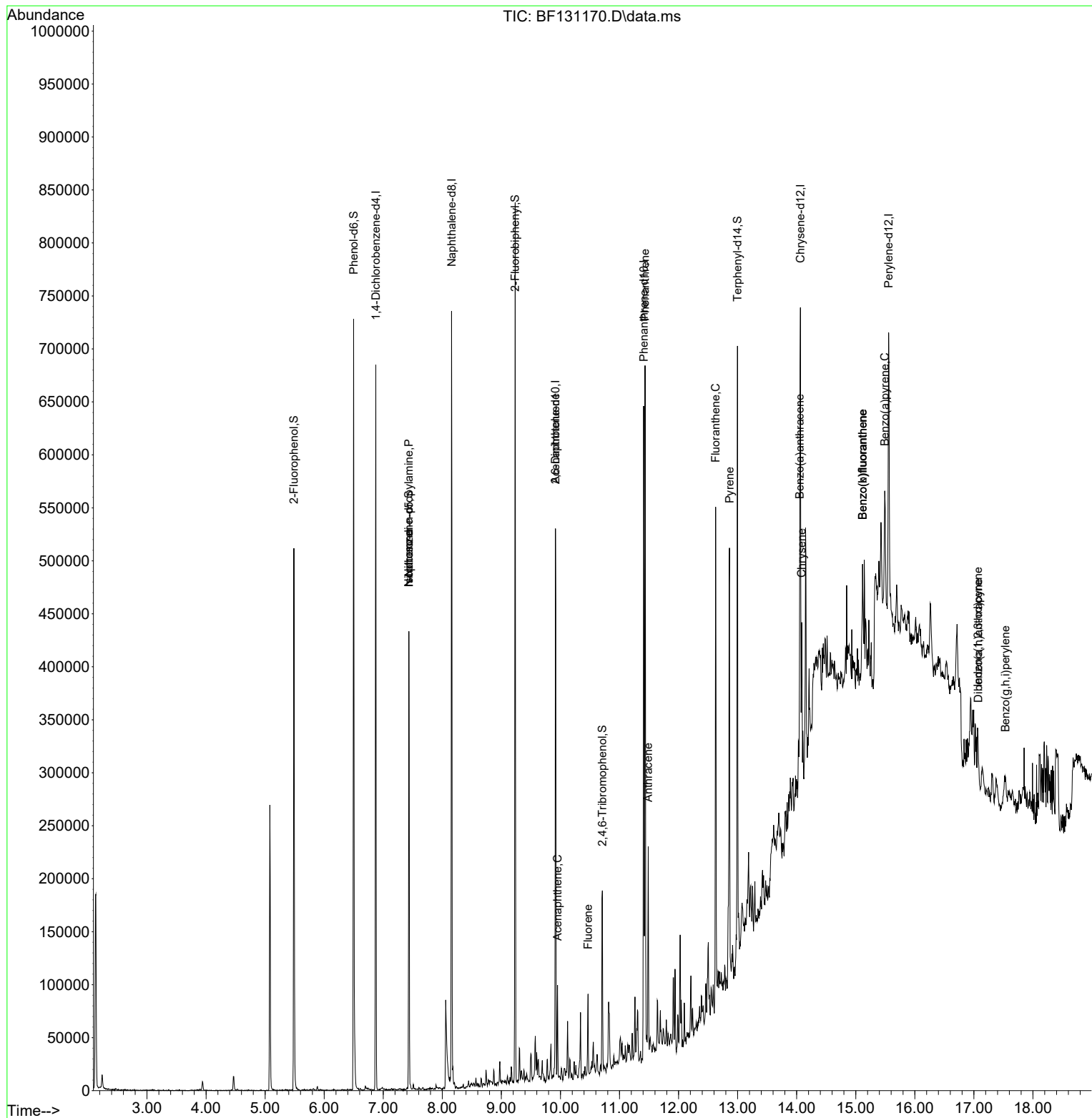
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	83212	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	280256	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	98991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	211061	20.000	ng	0.00
76) Chrysene-d12	14.063	240	124889	20.000	ng	0.00
86) Perylene-d12	15.557	264	109773	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	117584	24.031	ng	0.00
7) Phenol-d6	6.498	99	191994	30.013	ng	0.00
23) Nitrobenzene-d5	7.434	82	115522	18.598	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	15748	15.393	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	201198	28.373	ng	0.00
79) Terphenyl-d14	12.998	244	172647	24.238	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	15201	3.619	ng	# 78
25) Isophorone	7.434	82	115521	12.028	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	12974	8.384	ng	# 15
52) Acenaphthene	9.951	154	14005	2.474	ng	97
58) Fluorene	10.469	166	17023	2.500	ng	92
71) Phenanthrene	11.433	178	217596	18.745	ng	99
72) Anthracene	11.486	178	65885	5.848	ng	98
75) Fluoranthene	12.627	202	173806	14.958	ng	99
78) Pyrene	12.863	202	160395	14.969	ng	99
81) Benzo(a)anthracene	14.051	228	65230	7.307	ng	94
83) Chrysene	14.086	228	52403	6.216	ng	96
87) Indeno(1,2,3-cd)pyrene	17.068	276	20568	5.970	ng	99
88) Benzo(b)fluoranthene	15.115	252	47523	6.123	ng	# 85
89) Benzo(k)fluoranthene	15.115	252	47523	6.371	ng	# 86
90) Benzo(a)pyrene	15.492	252	46505	7.474	ng	# 91
91) Dibenzo(a,h)anthracene	17.074	278	5837	4.577	ng	# 48
92) Benzo(g,h,i)perylene	17.533	276	19523	6.665	ng	# 87

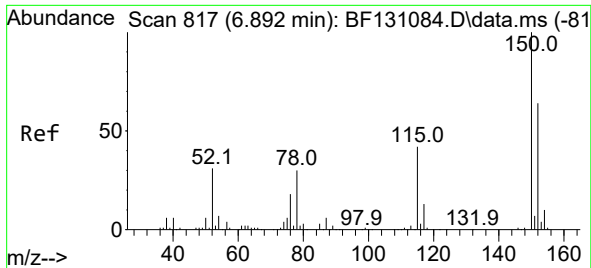
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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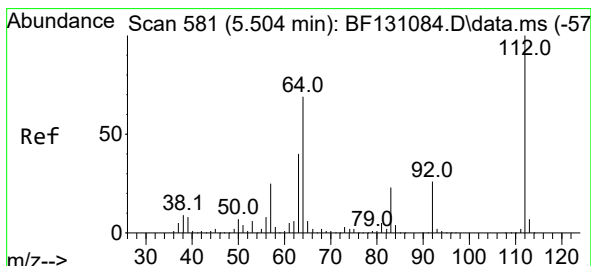
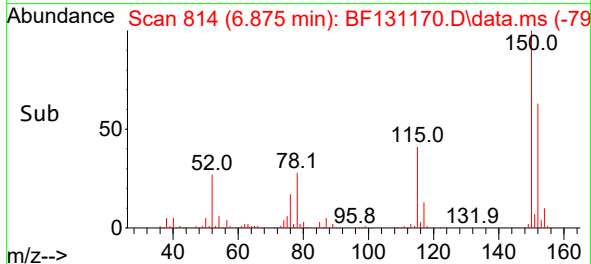
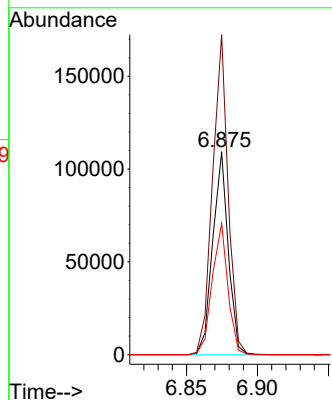
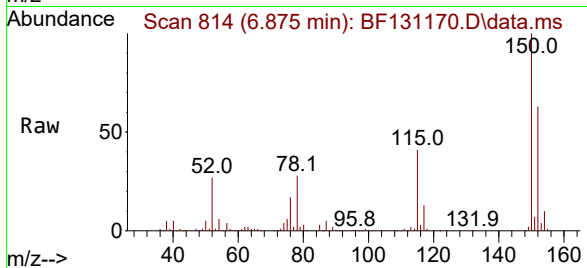




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

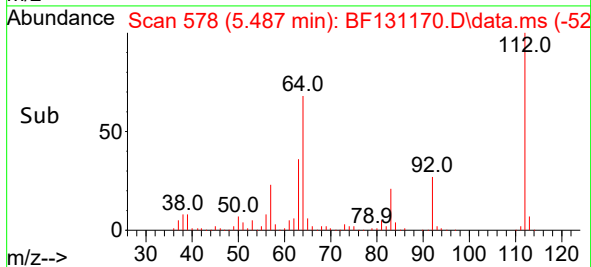
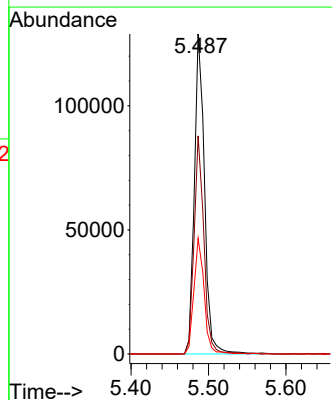
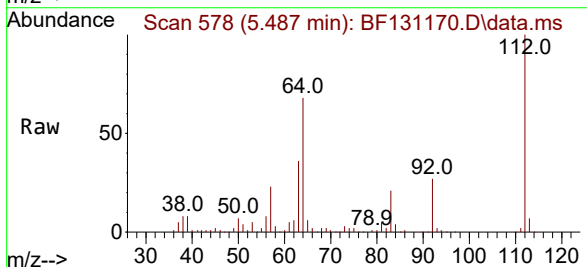
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BNA_F
ClientSampleId :
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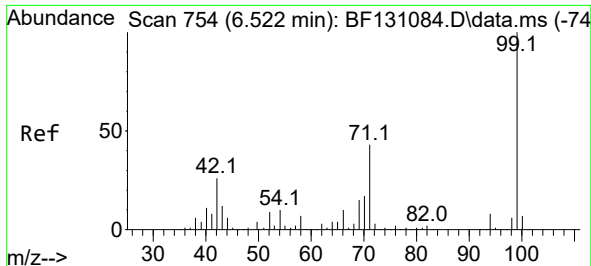
Tgt Ion:152 Resp: 83212
Ion Ratio Lower Upper
152 100
150 157.6 125.5 188.3
115 64.6 52.2 78.2



#5
2-Fluorophenol
Concen: 24.031 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:112 Resp: 117584
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 36.1 32.4 48.6

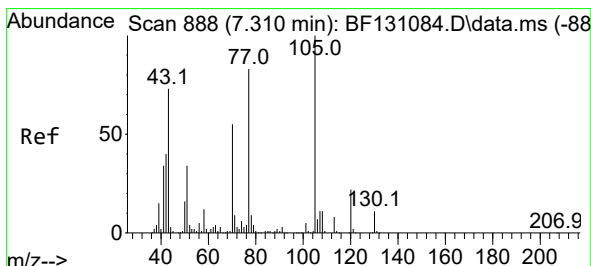
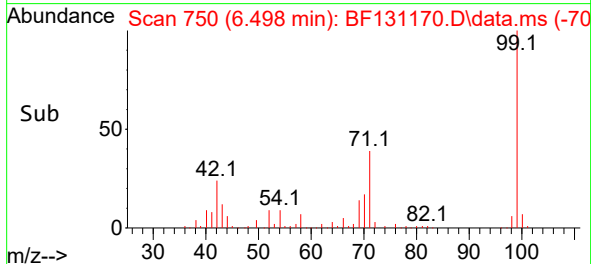
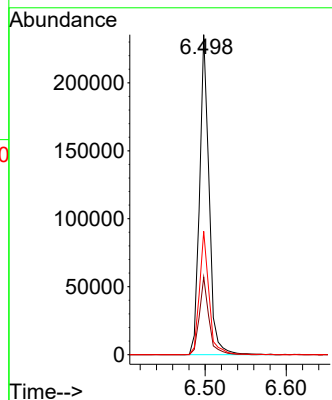
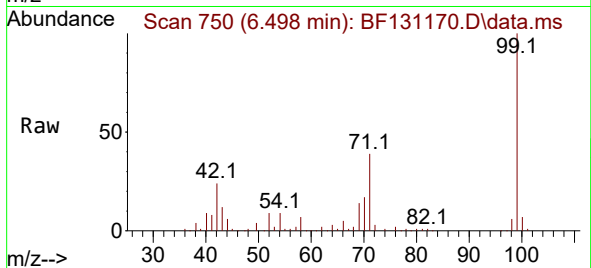




#7
Phenol-d6
Concen: 30.013 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

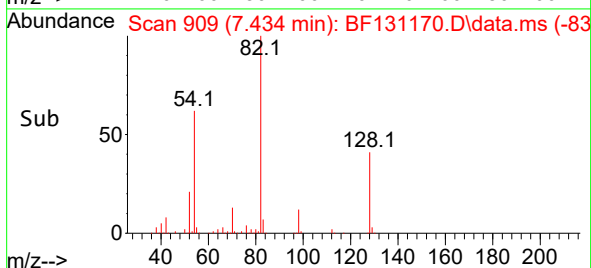
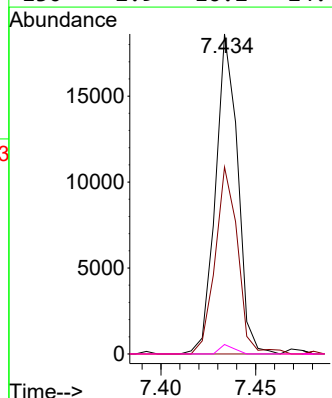
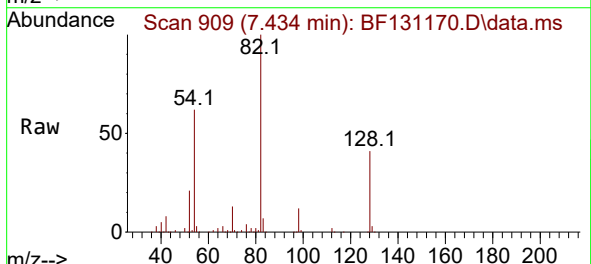
Instrument :
BNA_F
ClientSampleId :
RM-7

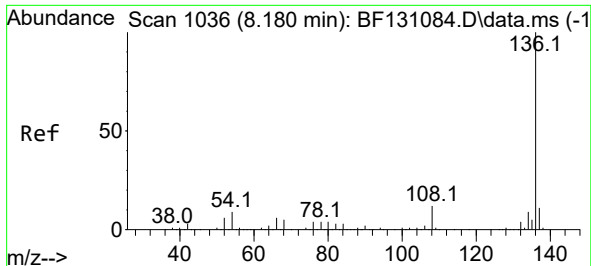
Tgt Ion: 99 Resp: 191994
Ion Ratio Lower Upper
99 100
42 24.3 20.8 31.2
71 38.6 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.619 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion: 70 Resp: 15201
Ion Ratio Lower Upper
70 100
42 58.4 58.3 87.5
101 0.0 7.4 11.2#
130 2.9 16.2 24.4#

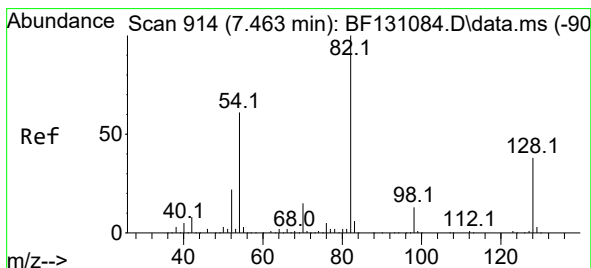
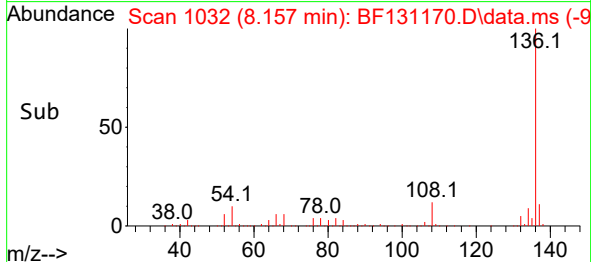
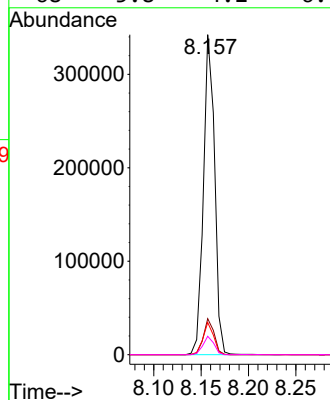
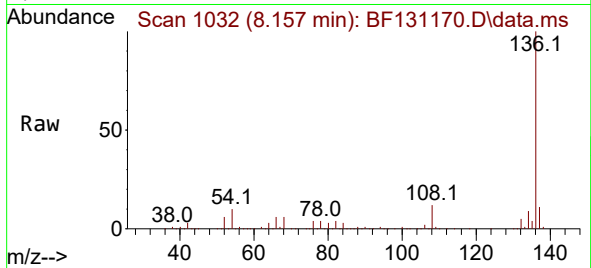




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

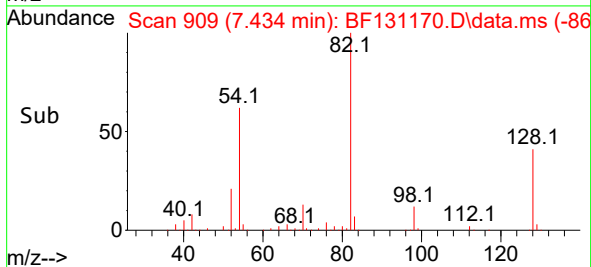
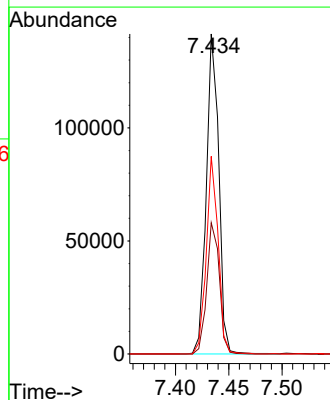
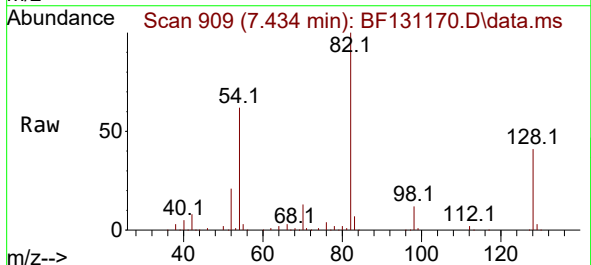
Instrument :
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ClientSampleId :
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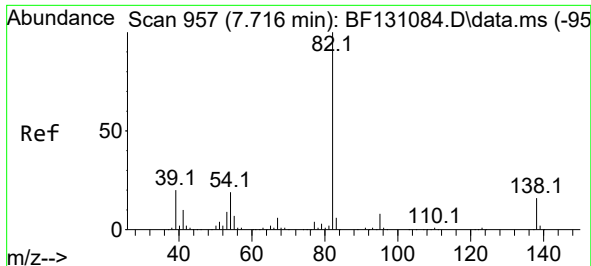
Tgt Ion:136 Resp: 280256
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.0 7.2 10.8
68 5.8 4.2 6.4



#23
Nitrobenzene-d5
Concen: 18.598 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion: 82 Resp: 115522
Ion Ratio Lower Upper
82 100
128 41.0 30.5 45.7
54 61.8 49.1 73.7

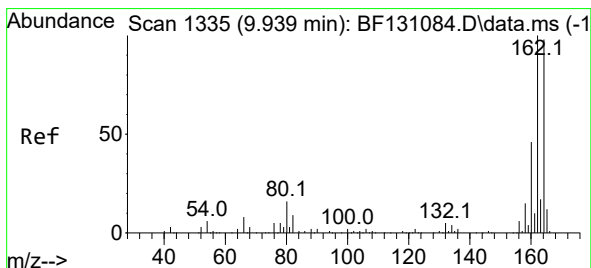
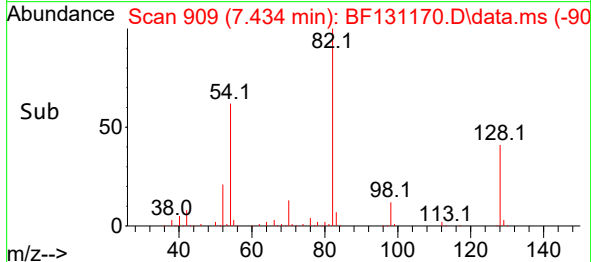
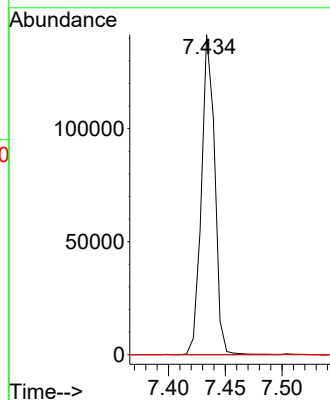
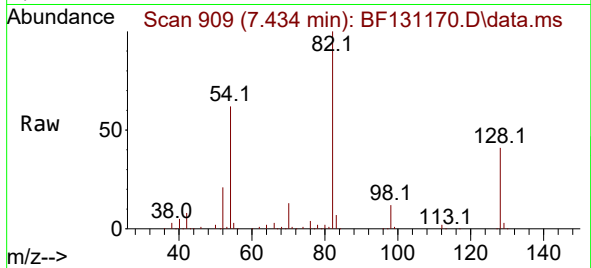




#25
Isophorone
Concen: 12.028 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

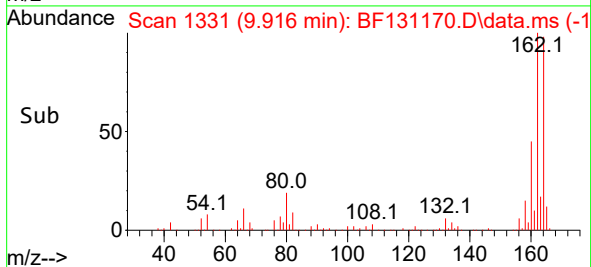
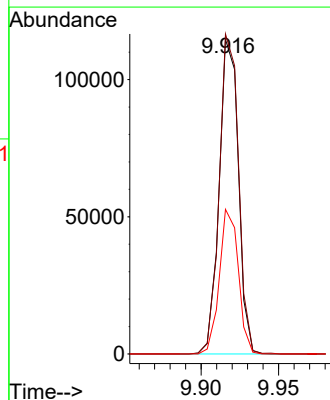
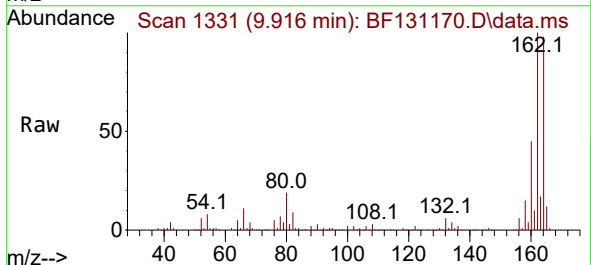
Instrument :
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ClientSampleId :
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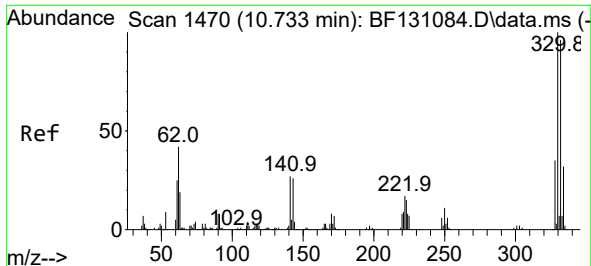
Tgt Ion: 82 Resp: 115521
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:164 Resp: 98991
Ion Ratio Lower Upper
164 100
162 101.7 81.7 122.5
160 46.0 37.4 56.2

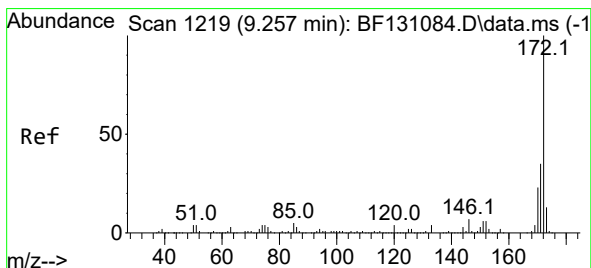
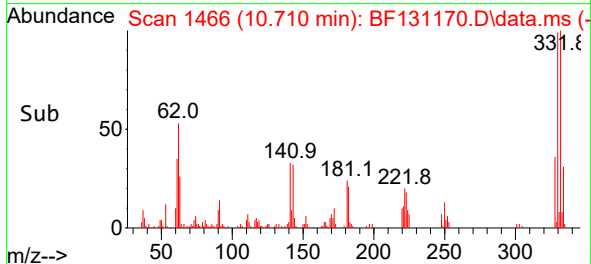
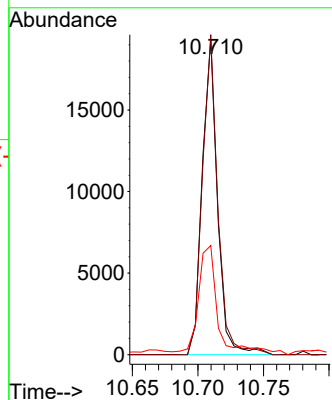
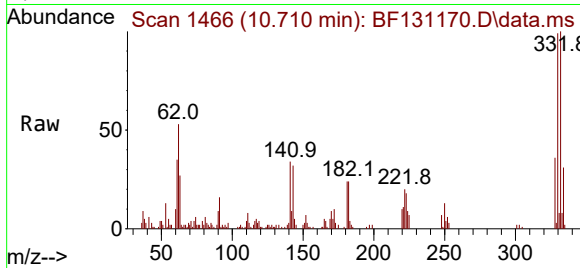




#42
2,4,6-Tribromophenol
Concen: 15.393 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

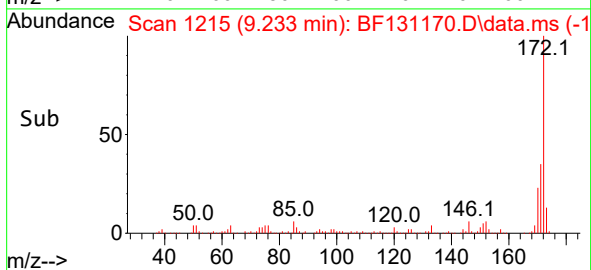
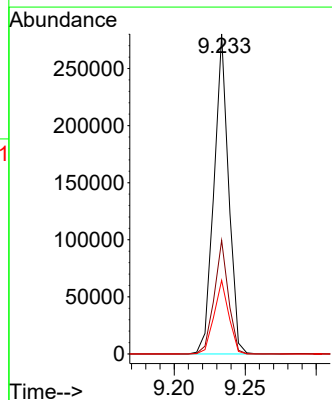
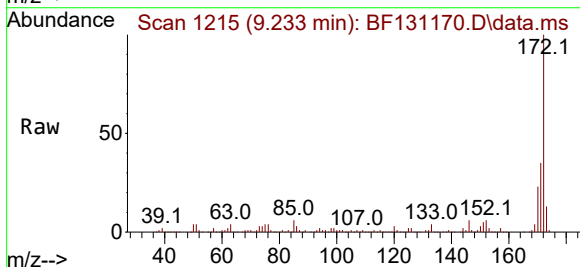
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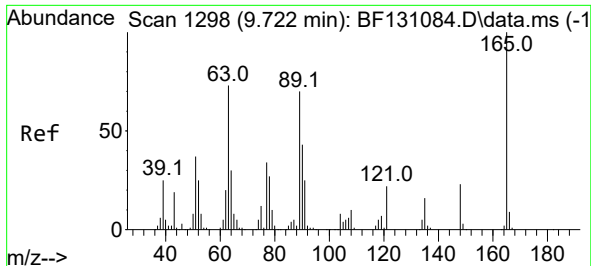
Tgt Ion:330 Resp: 15748
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.4
141 44.8 28.5 42.7#



#45
2-Fluorobiphenyl
Concen: 28.373 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:172 Resp: 201198
Ion Ratio Lower Upper
172 100
171 35.5 27.7 41.5
170 23.0 18.8 28.2

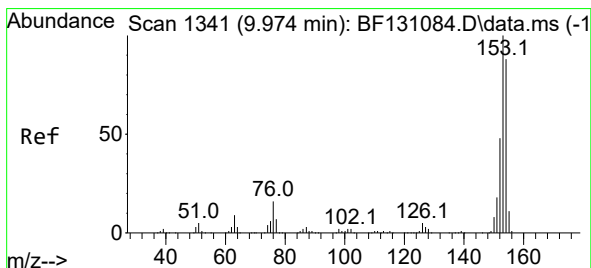
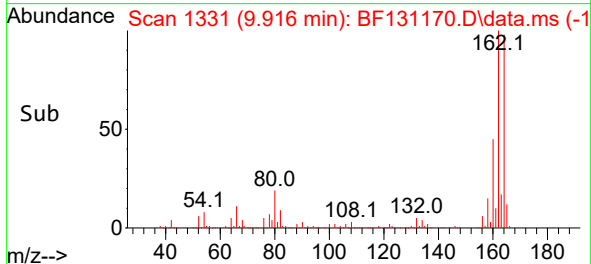
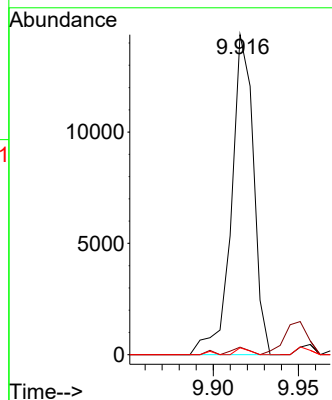
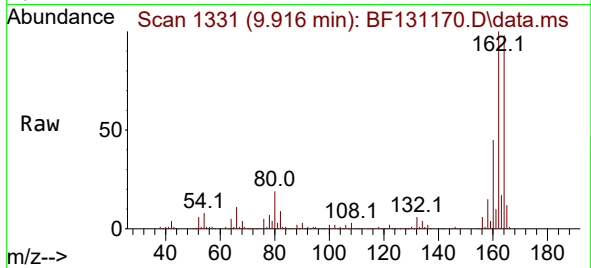




#51
2,6-Dinitrotoluene
Concen: 8.384 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

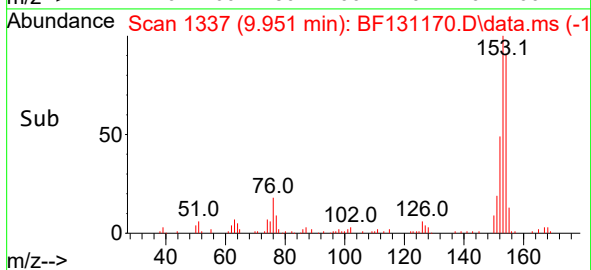
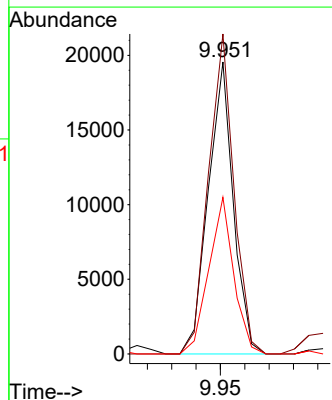
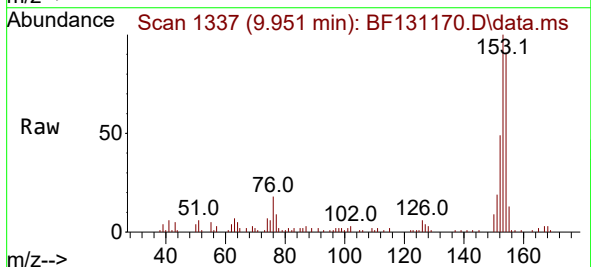
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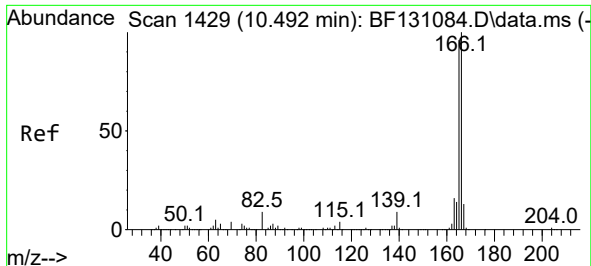
Tgt Ion:165 Resp: 12974
Ion Ratio Lower Upper
165 100
63 2.4 61.4 92.2#
89 2.2 56.0 84.0#



#52
Acenaphthene
Concen: 2.474 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:154 Resp: 14005
Ion Ratio Lower Upper
154 100
153 109.6 90.8 136.2
152 53.7 43.4 65.2

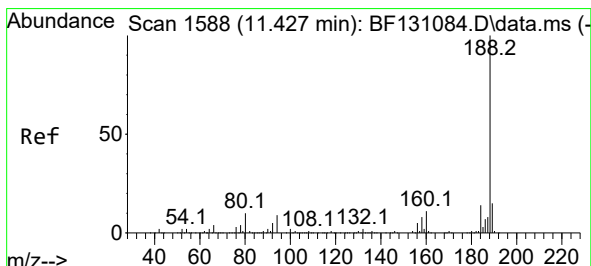
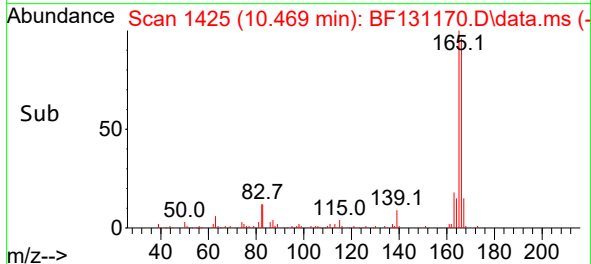
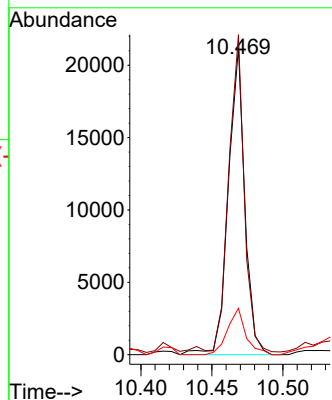
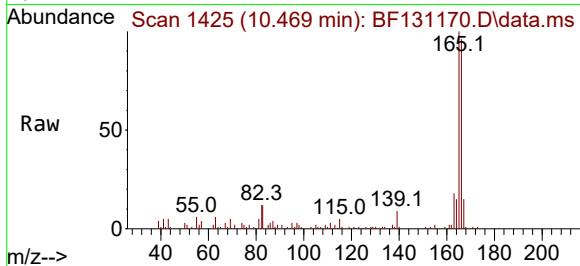




#58
Fluorene
Concen: 2.500 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

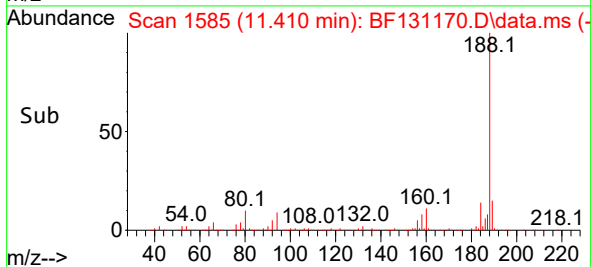
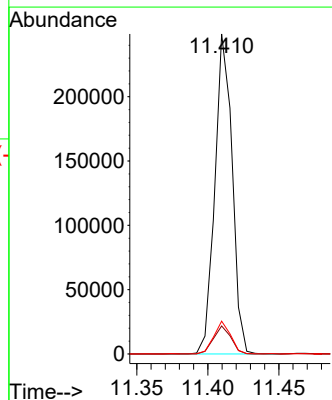
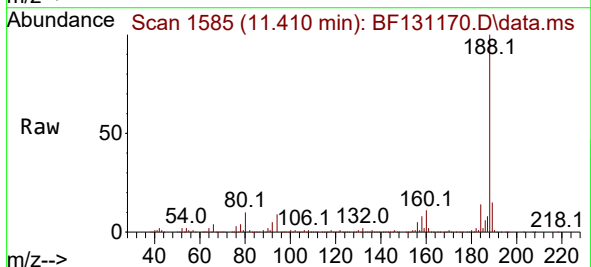
Instrument :
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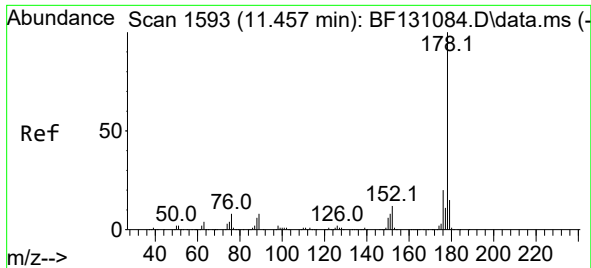
Tgt Ion:166 Resp: 17023
Ion Ratio Lower Upper
166 100
165 104.2 77.2 115.8
167 15.1 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:188 Resp: 211061
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 10.2 7.9 11.9

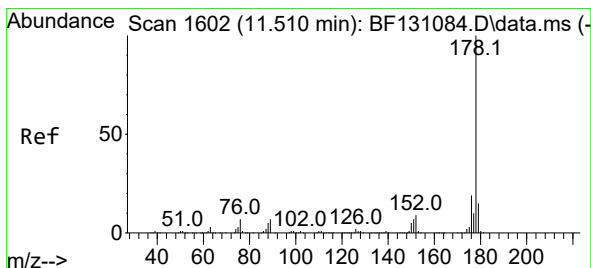
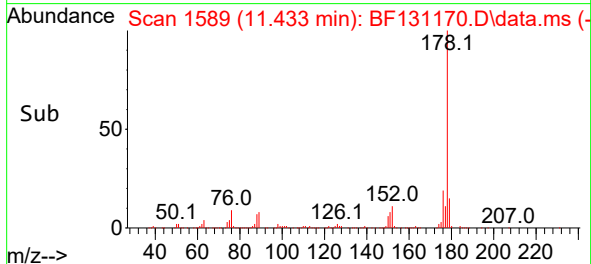
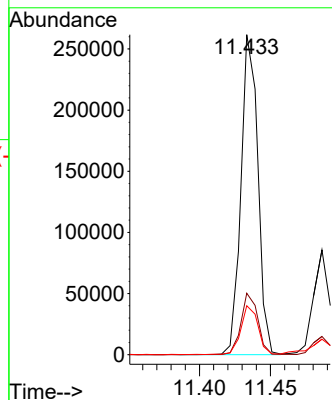
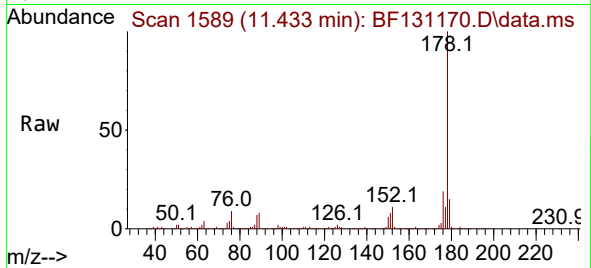




#71
Phenanthrene
Concen: 18.745 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

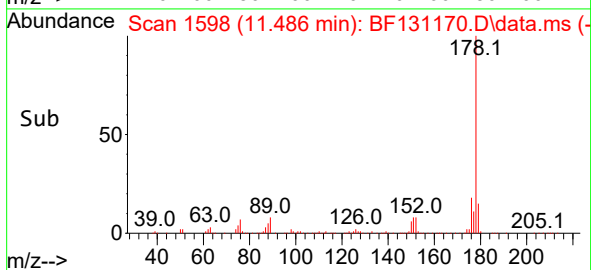
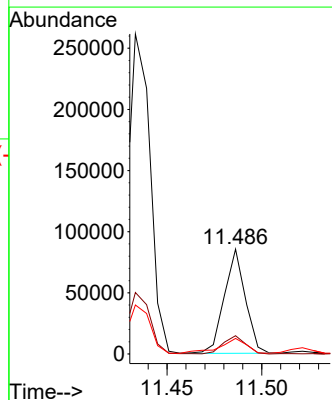
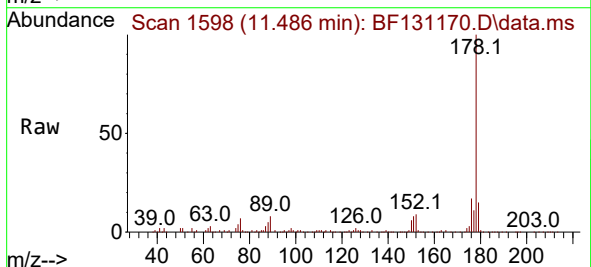
Instrument :
BNA_F
ClientSampleId :
RM-7

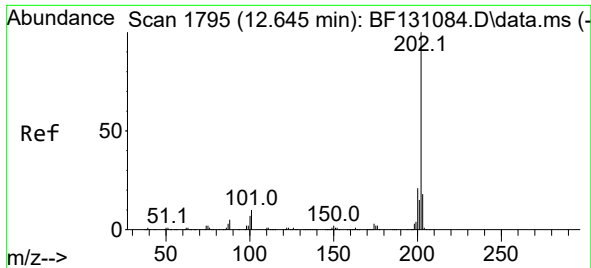
Tgt Ion:178 Resp: 217596
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.3 12.2 18.2



#72
Anthracene
Concen: 5.848 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:178 Resp: 65885
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 14.8 11.8 17.8

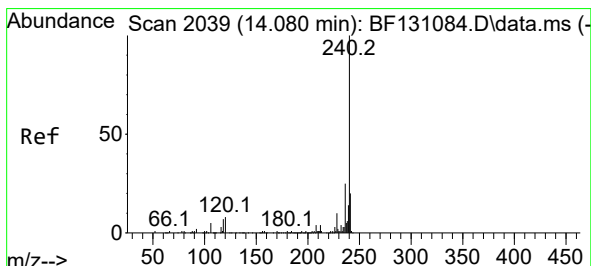
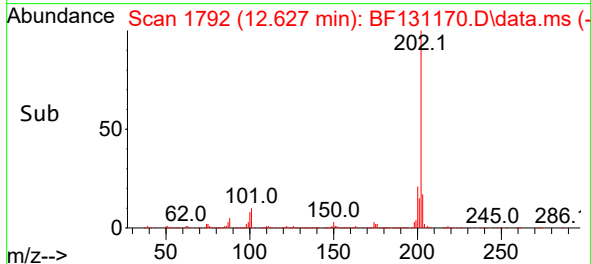
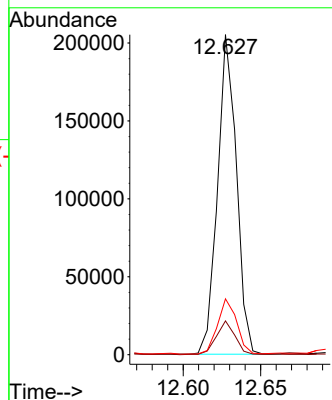
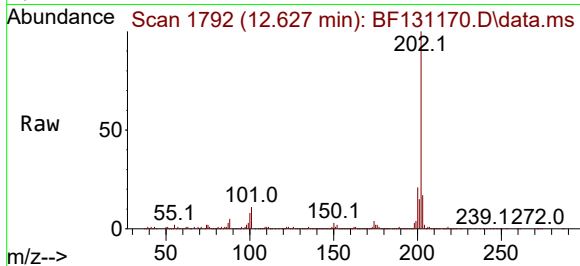




#75
Fluoranthene
Concen: 14.958 ng
RT: 12.627 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

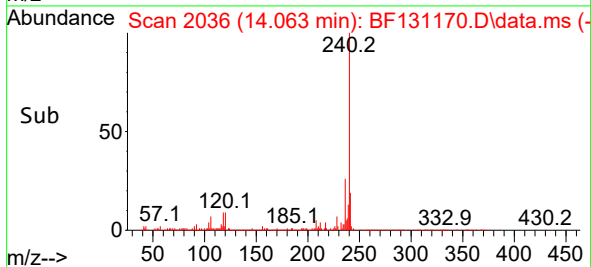
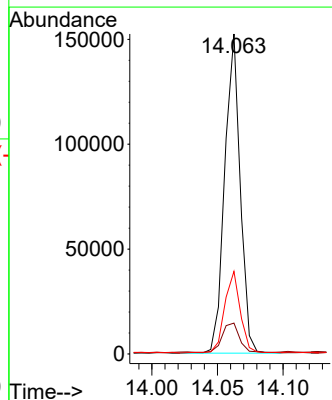
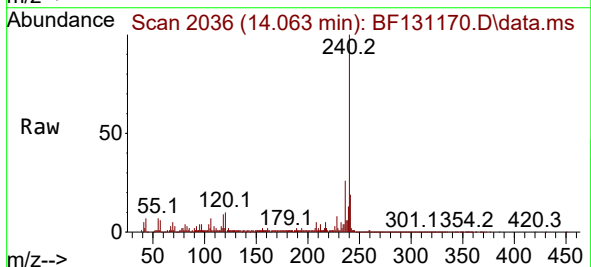
Instrument :
BNA_F
ClientSampleId :
RM-7

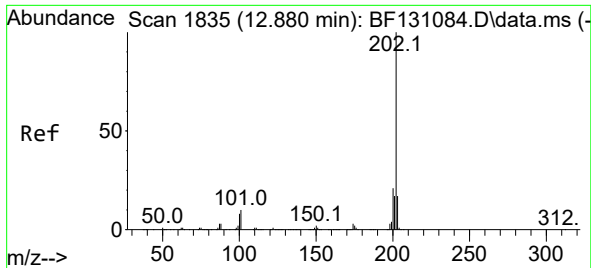
Tgt Ion:202 Resp: 173806
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:240 Resp: 124889
Ion Ratio Lower Upper
240 100
120 9.7 6.5 9.7
236 25.8 19.7 29.5

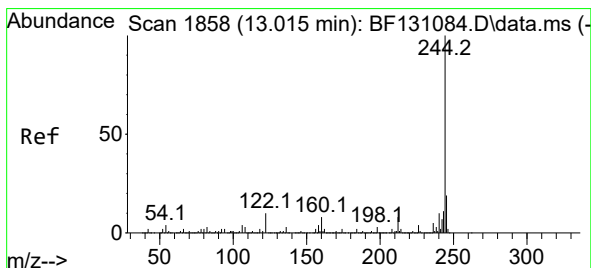
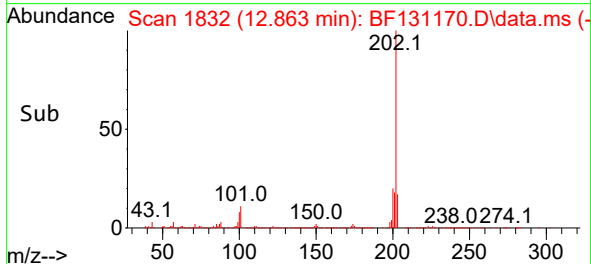
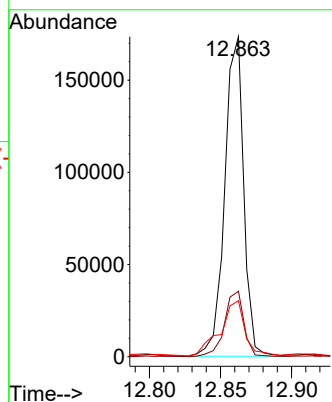
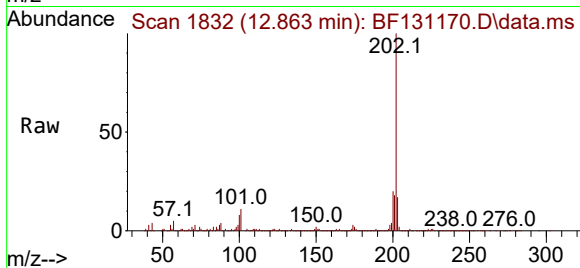




#78
 Pyrene
 Concen: 14.969 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.006 min
 Lab File: BF131170.D
 Acq: 12 Nov 2022 00:20

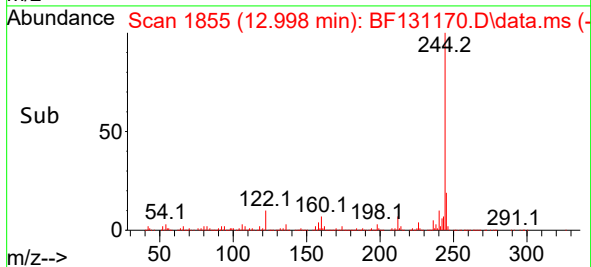
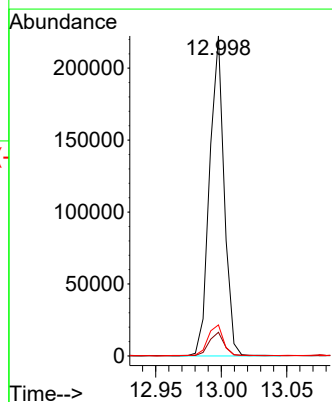
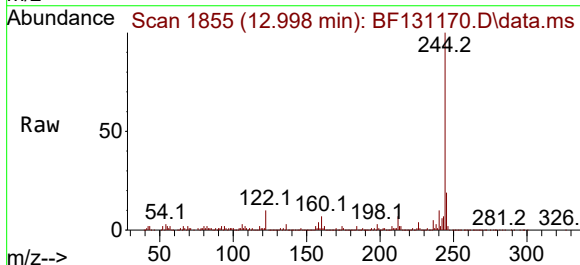
Instrument :
 BNA_F
 ClientSampleId :
 RM-7

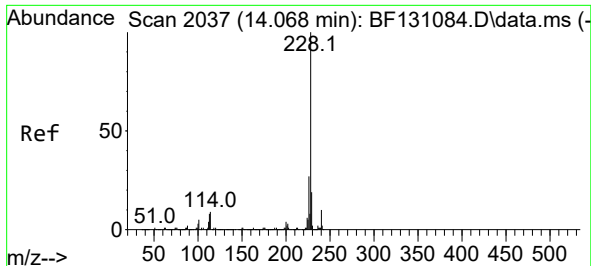
Tgt Ion:202 Resp: 160395
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.8 25.2
 203 17.5 13.6 20.4



#79
 Terphenyl-d14
 Concen: 24.238 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF131170.D
 Acq: 12 Nov 2022 00:20

Tgt Ion:244 Resp: 172647
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.7 7.8 11.8

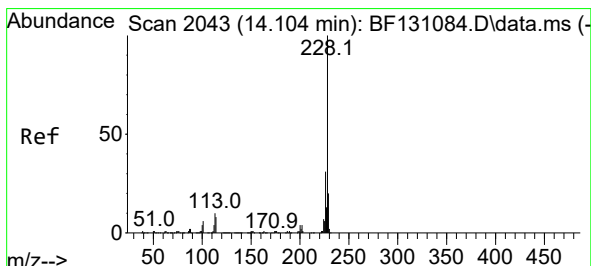
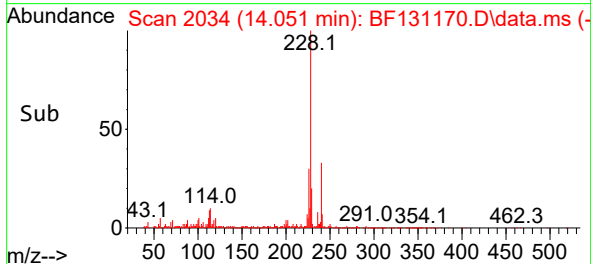
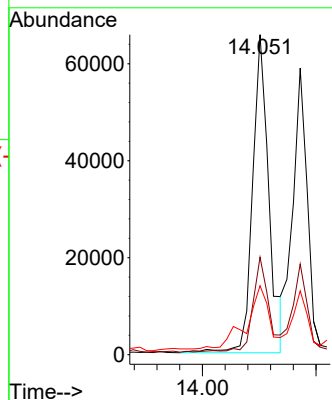
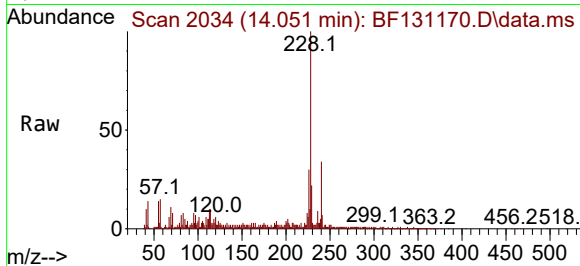




#81
Benzo(a)anthracene
Concen: 7.307 ng
RT: 14.051 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

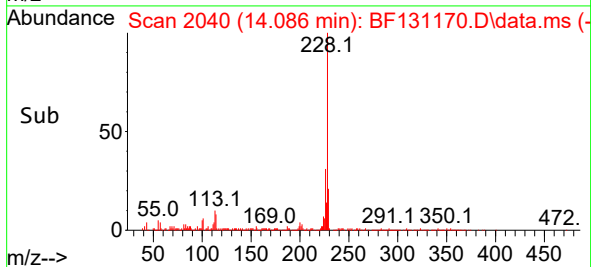
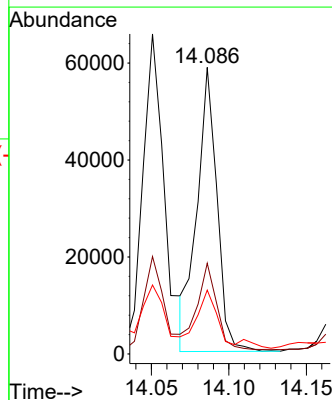
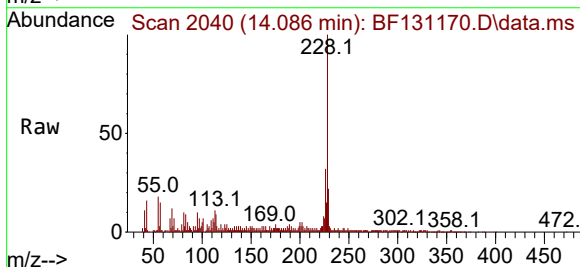
Instrument :
BNA_F
ClientSampleId :
RM-7

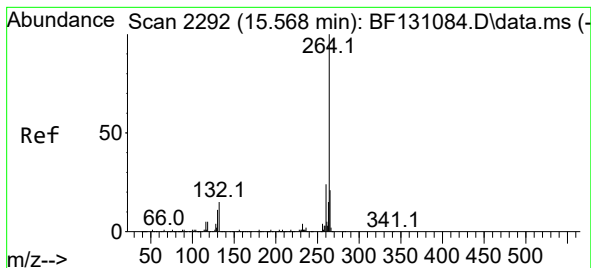
Tgt Ion:228 Resp: 65230
Ion Ratio Lower Upper
228 100
226 30.5 21.8 32.6
229 21.6 15.4 23.2



#83
Chrysene
Concen: 6.216 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:228 Resp: 52403
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 22.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

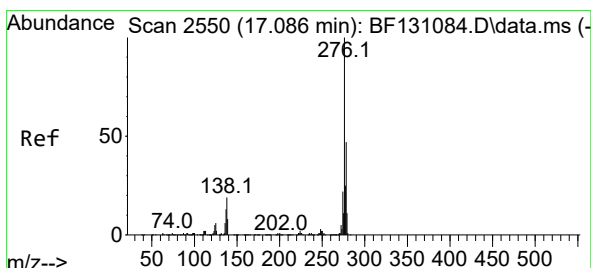
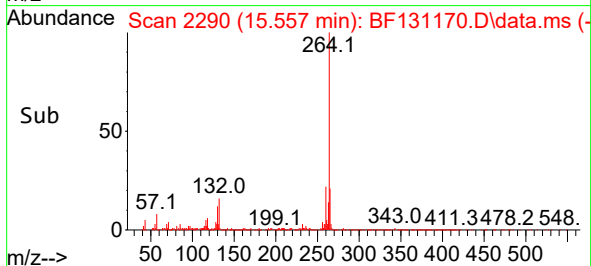
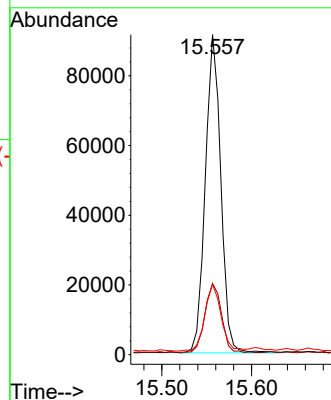
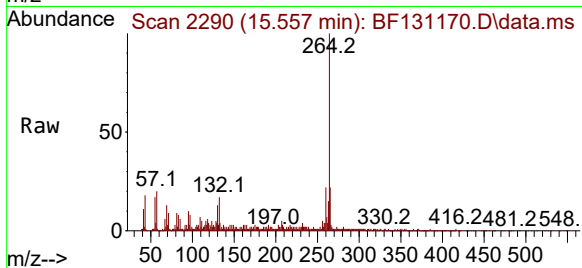
Tgt Ion:264 Resp: 109773

Ion Ratio Lower Upper

264 100

260 22.3 19.1 28.7

265 22.0 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.970 ng

RT: 17.068 min Scan# 2547

Delta R.T. 0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

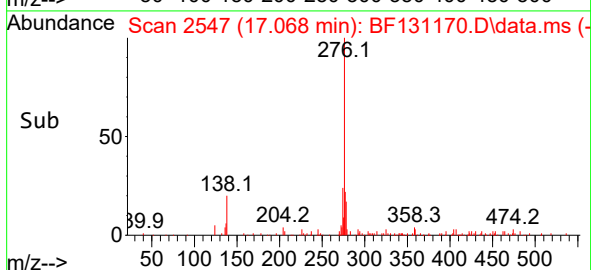
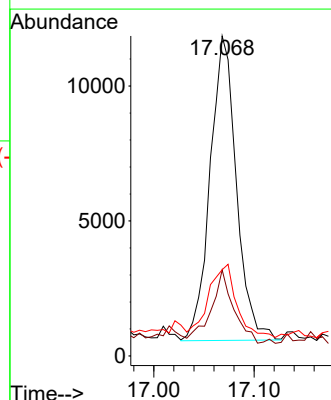
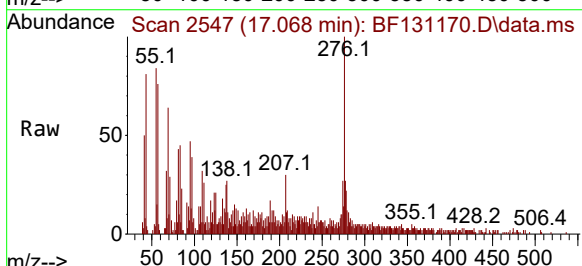
Tgt Ion:276 Resp: 20568

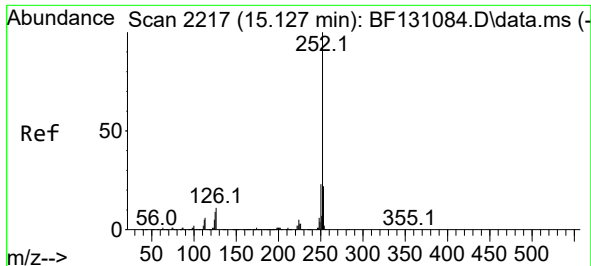
Ion Ratio Lower Upper

276 100

138 19.8 16.9 25.3

277 25.5 20.3 30.5

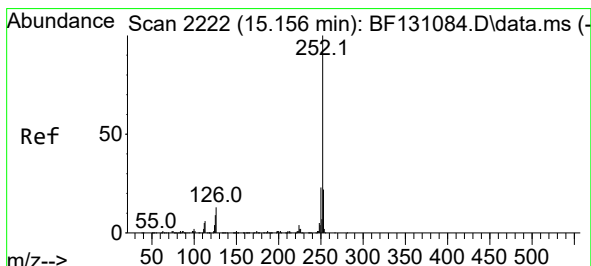
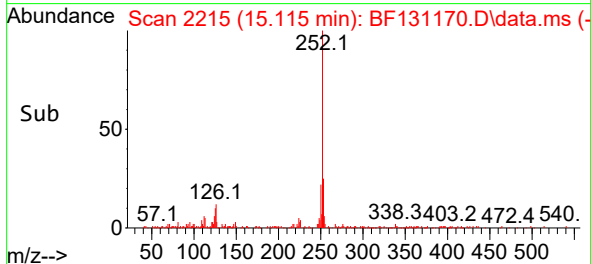
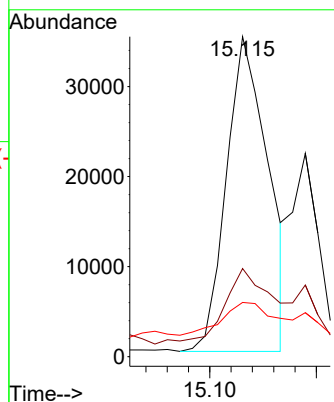
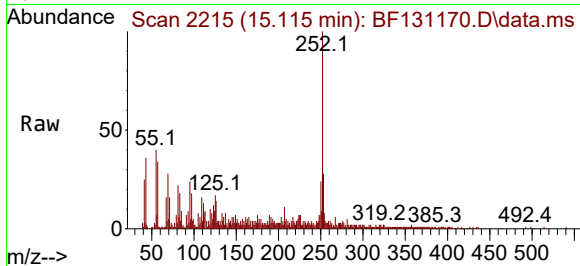




#88
Benzo(b)fluoranthene
Concen: 6.123 ng
RT: 15.115 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

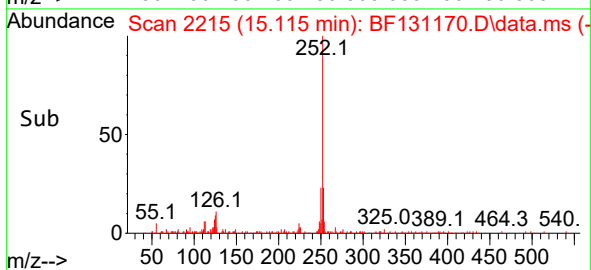
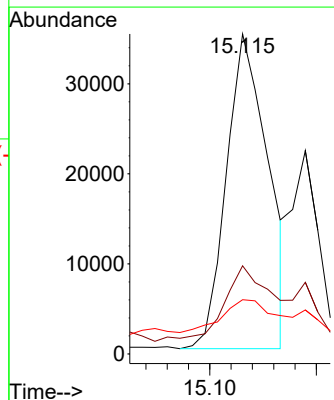
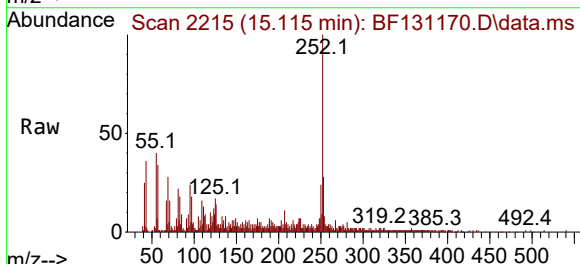
Instrument :
BNA_F
ClientSampleId :
RM-7

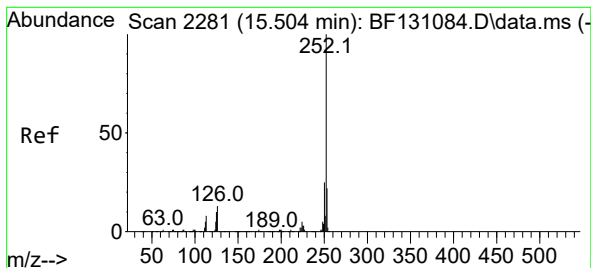
Tgt Ion:252 Resp: 47523
Ion Ratio Lower Upper
252 100
253 27.6 17.3 25.9#
125 16.9 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 6.371 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.024 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:252 Resp: 47523
Ion Ratio Lower Upper
252 100
253 27.6 17.6 26.4#
125 16.9 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.474 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

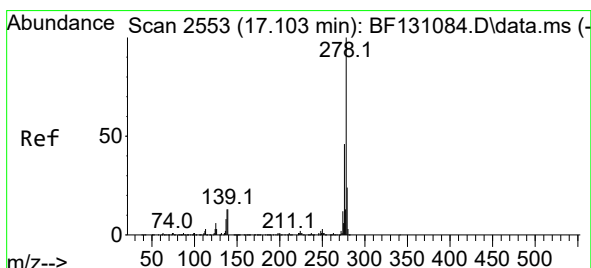
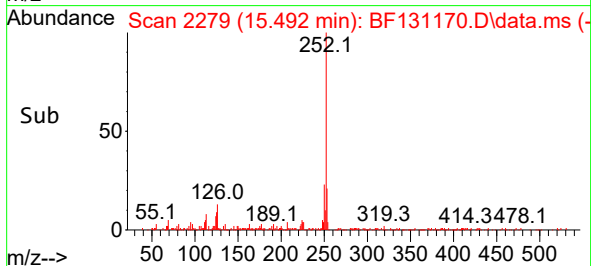
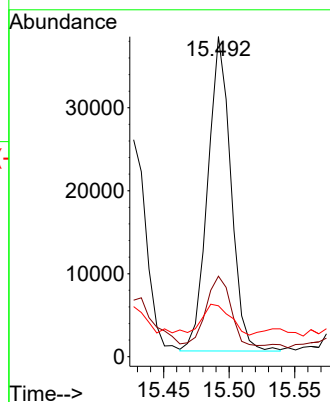
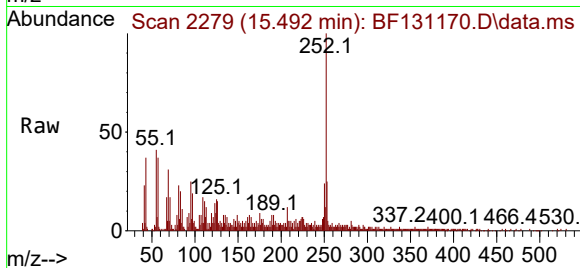
Tgt Ion:252 Resp: 46505

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

125 15.9 8.1 12.1#



#91

Dibenzo(a,h)anthracene

Concen: 4.577 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

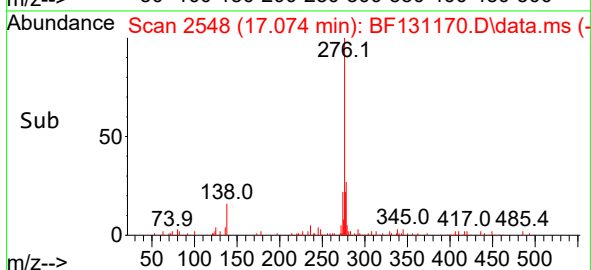
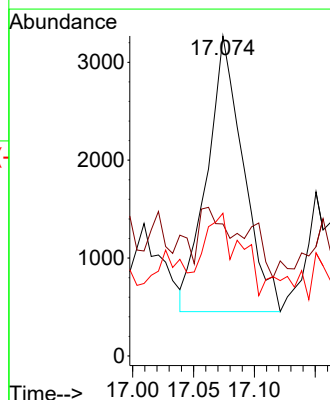
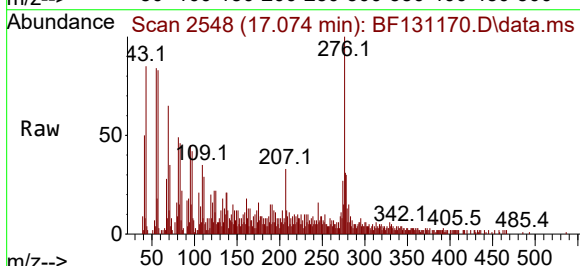
Tgt Ion:278 Resp: 5837

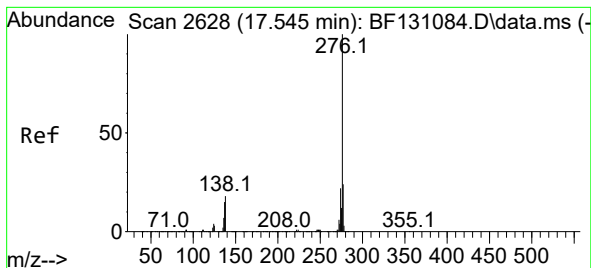
Ion Ratio Lower Upper

278 100

139 41.3 10.8 16.2#

279 44.6 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 6.665 ng

RT: 17.533 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF131170.D

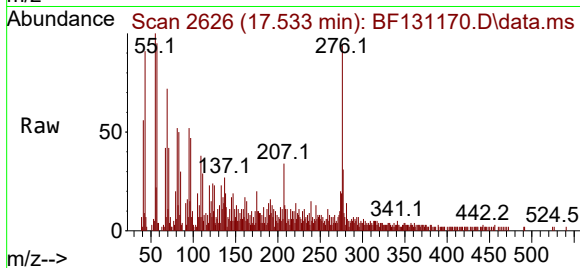
Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7



Tgt Ion:276 Resp: 19523

Ion Ratio Lower Upper

276 100

277 33.4 19.0 28.4#

138 19.9 14.6 21.8

